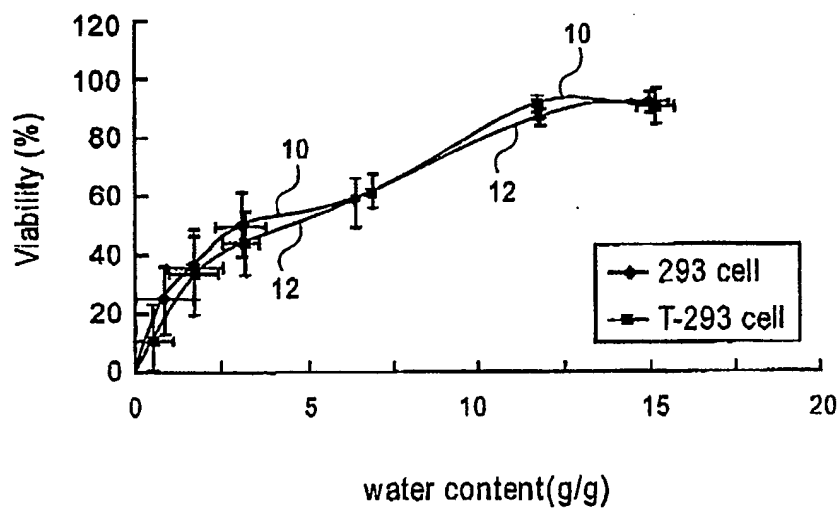


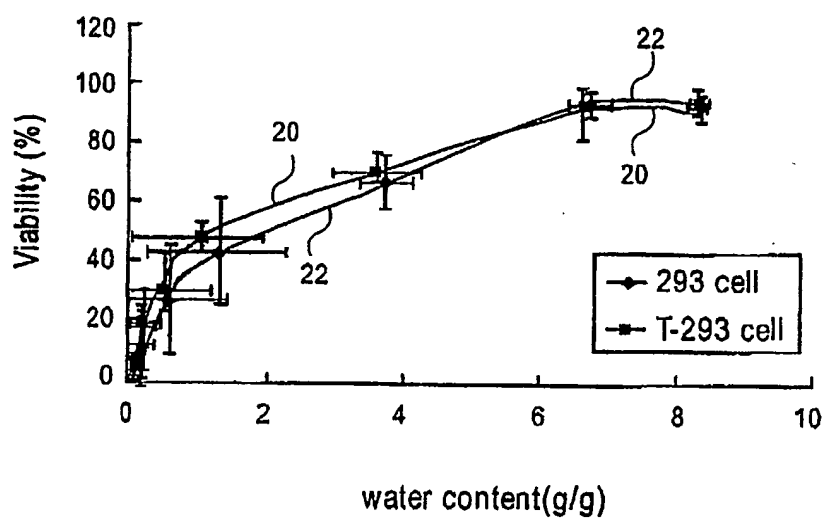
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**Viability of 293 cells at different water contents
(no trehalose inside or outside)**

**FIG. 1**

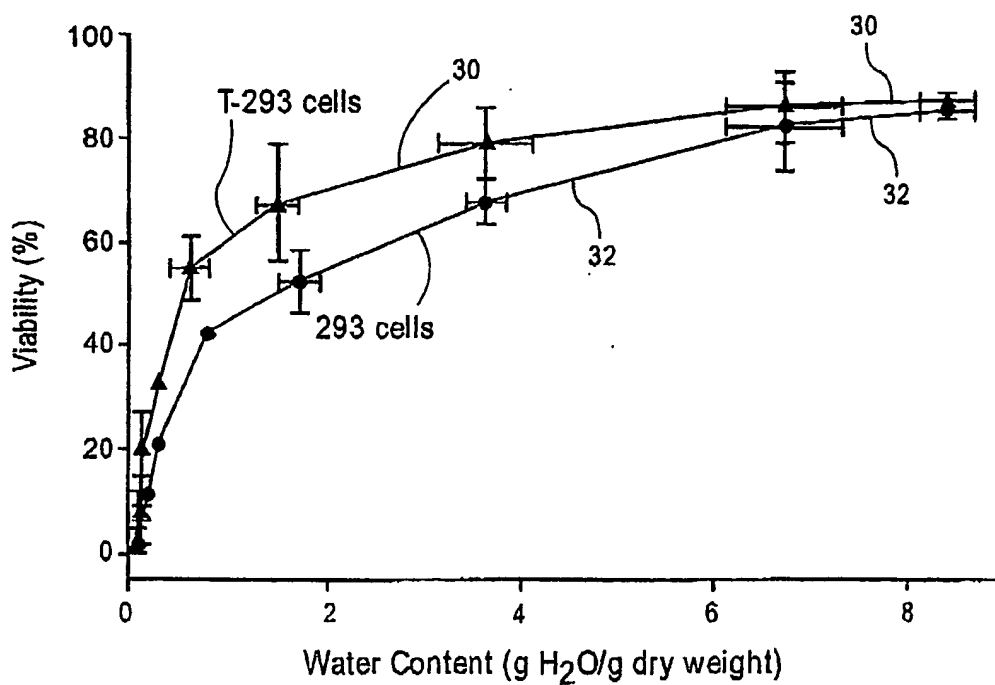
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**Viability of 293 cells at different water contents
(no trehalose inside, 150 mM trehalose outside)**

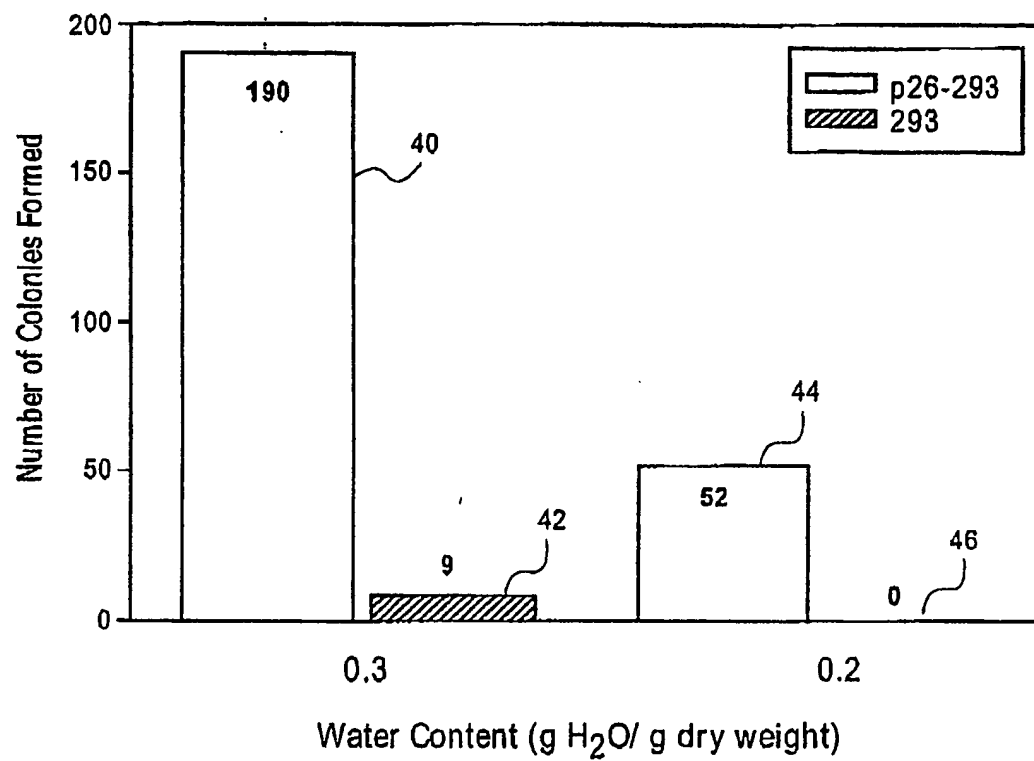
**FIG. 2**

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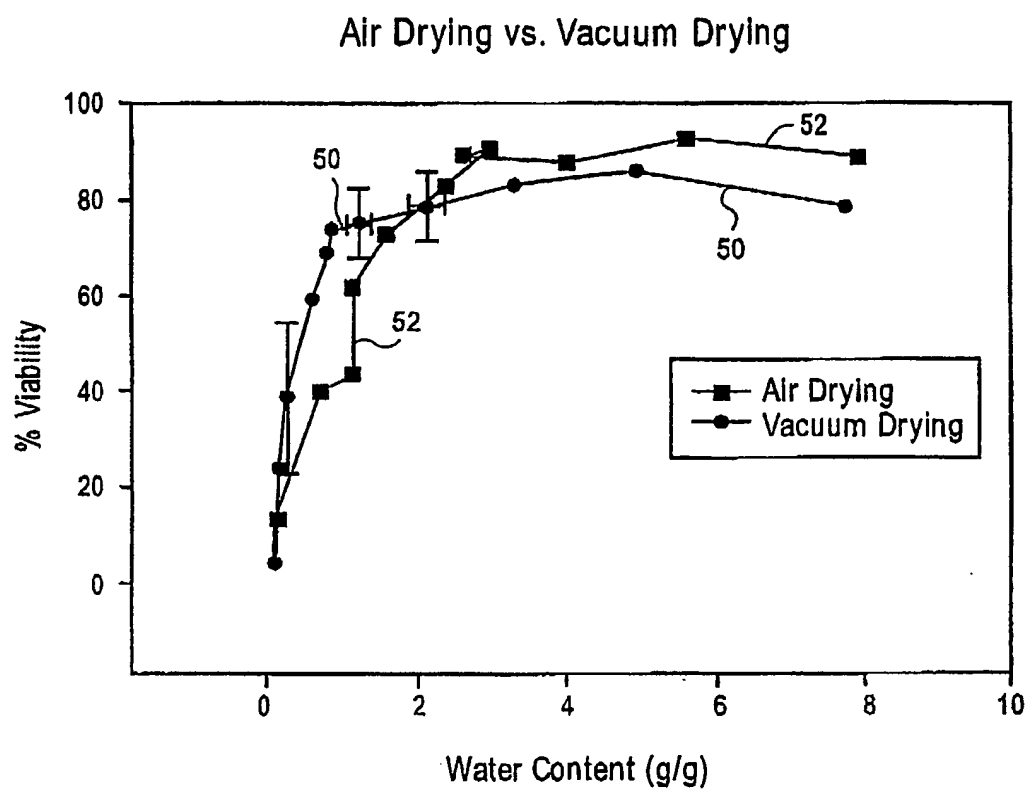
**Viability of 293 Cells During Drying
+/- Transfection with p26
Trehalose Inside and Outside**

**FIG. 3**

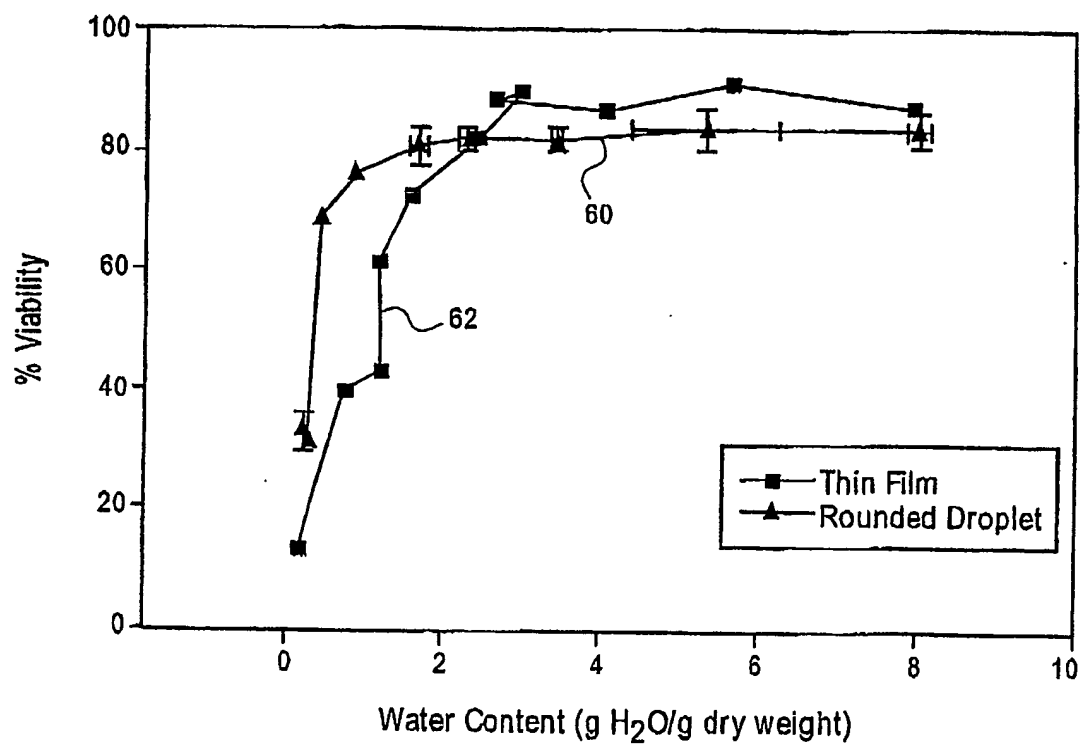
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**FIG. 4**

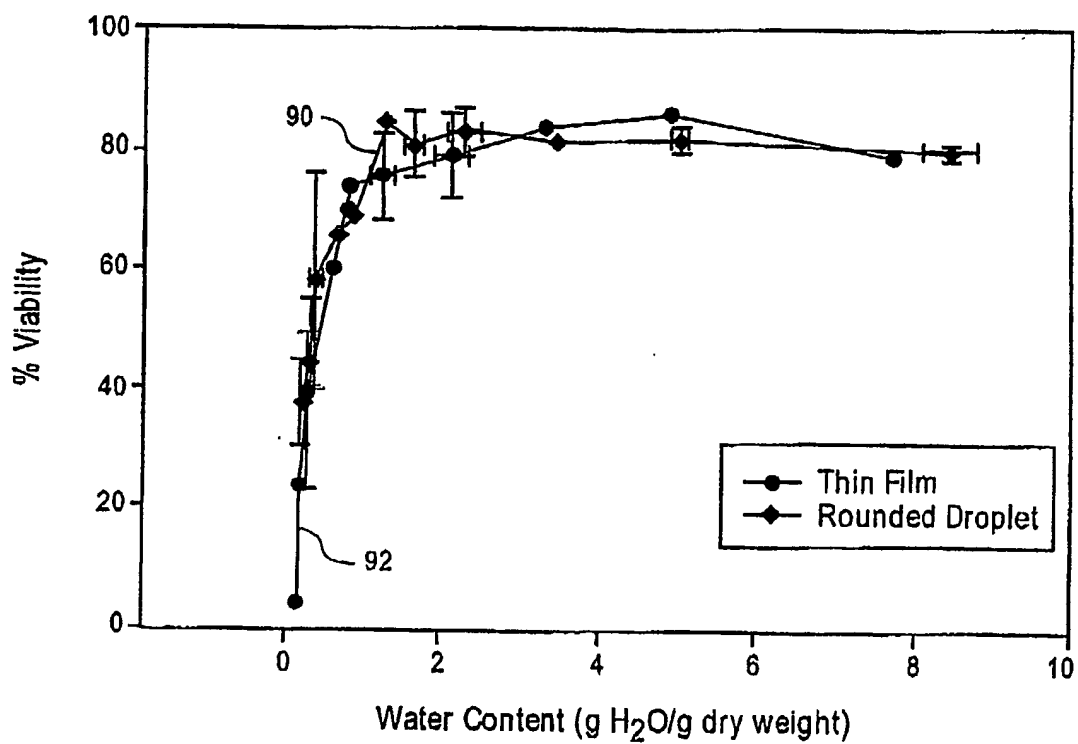
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**FIG. 5**

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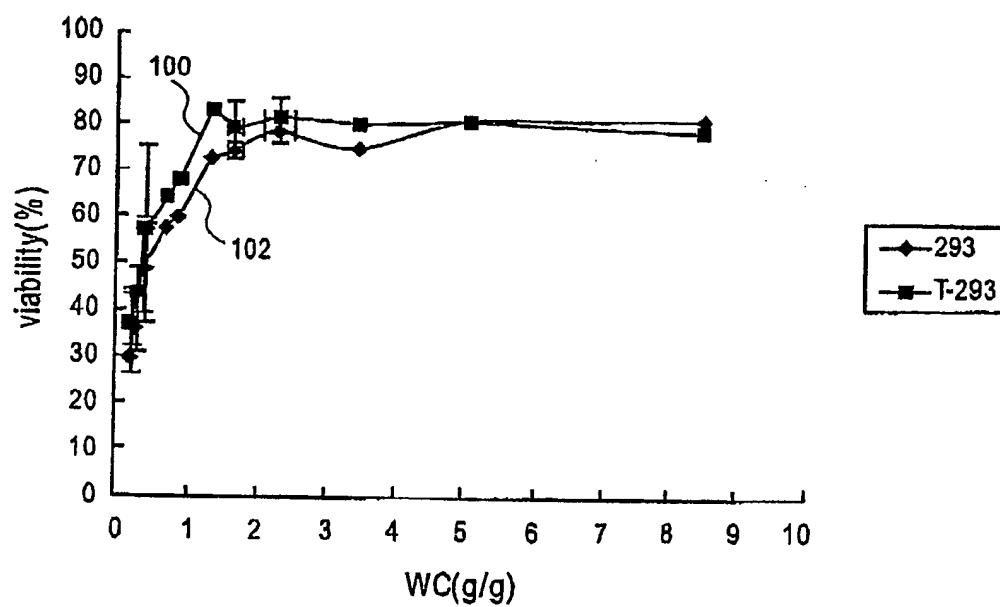
**FIG. 6**

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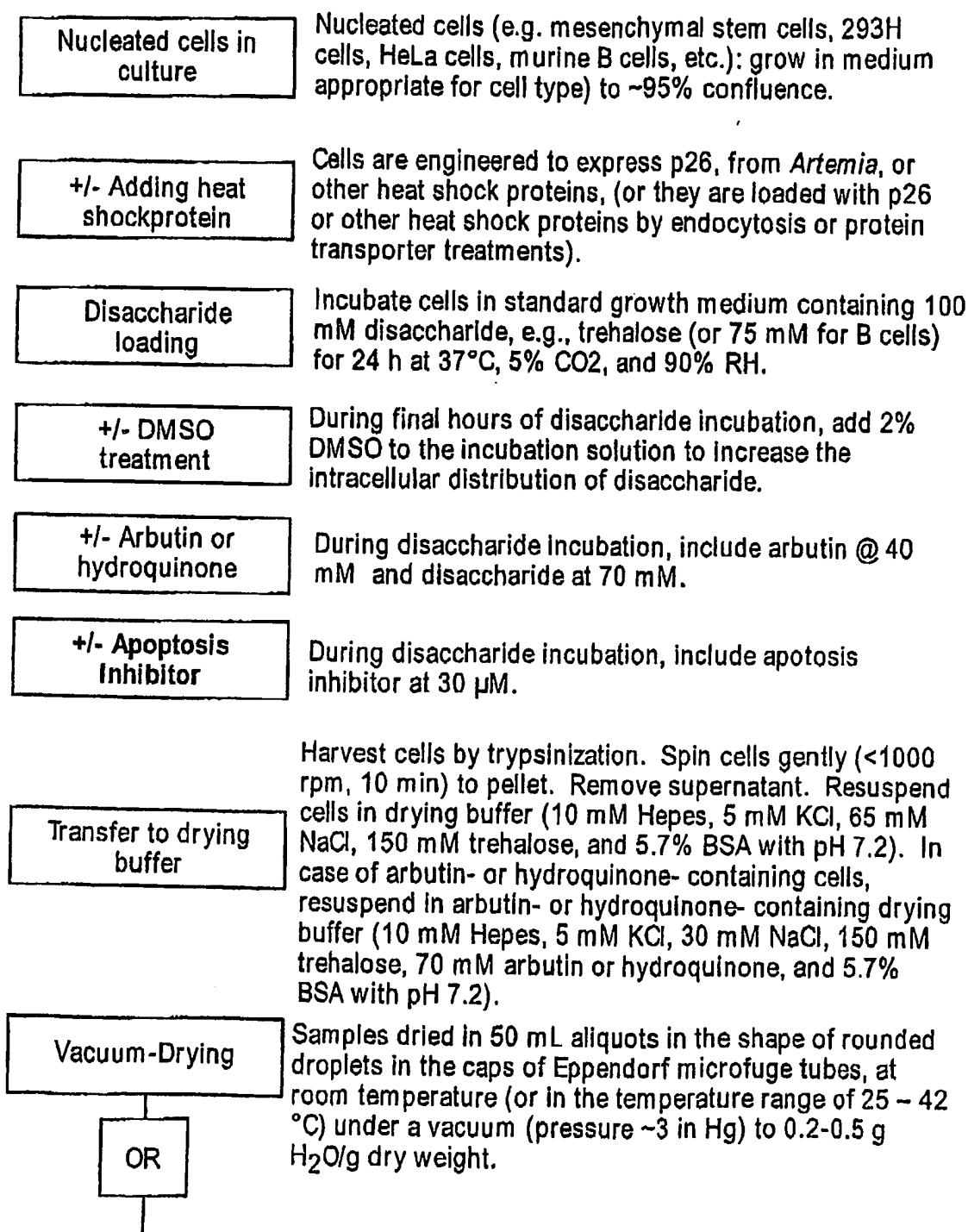
**FIG. 7**

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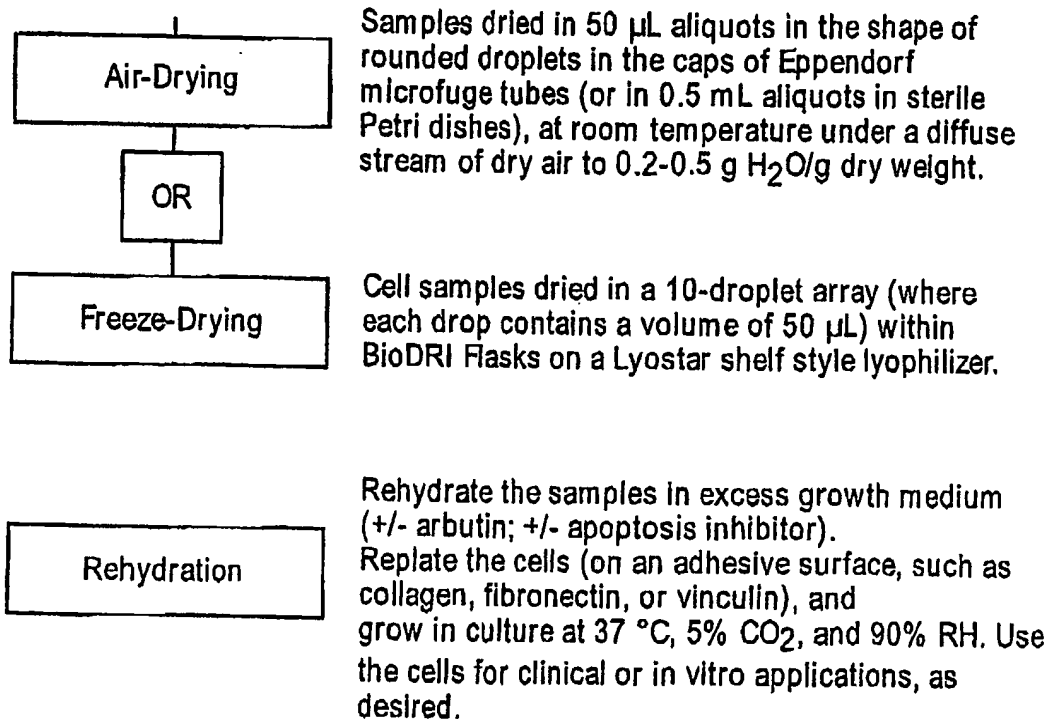
the viability of cell under vacuum-drying
(50uL bead, loaded with 100 mM trehalose, three times)

**FIG. 8**

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**FIG. 9A**

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**FIG. 9B**